

### **REMARKS**

This paper is filed in response to the Advisory Action having a notification date of February 22, 2010, and is subsequent to the Amendment and Response Under 37 CFR 1.116 filed January 28, 2010 in response to the Final Office Action mailed November 24, 2009.

Reconsideration is respectfully requested.

**This response assumes that the response filed on January 28, 2010 has been entered as indicated by item 7 of the Advisory Action.**

Claims 1 and 16 are amended, no claims are canceled, and no claims are added; as a result, claims 1 – 24, 26 and 27 are now pending in this application.

#### **Allowable Subject Matter**

Claims 2, 5, 7, 12-13, 18-21 and 26-27 are allowed.

#### **The Rejection of Claims Under § 103**

Claims 1, 3, 4, 6, 8-11, and 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tu et al. (U.S. 2005/0144650) in view of Shah (U.S. 6,173,164).

Claims 16-17 and 22-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tu et al. and Shah in view of Schaefer et al. (U.S. 7,293,101).

Claim 1 has been amended to recite that the receiver includes a plurality of subchannel low-pass filters, each associated with one of a plurality of subchannels, and that the receiver includes a subchannel filter selection switch having a plurality of outputs. Each output is coupled to an input of one of the subchannel low-pass filters. Claim 1 has been amended to recite that the subchannel filter selection switch is to select a subchannel low-pass filter associated with one of the outputs to provide an analog baseband signal to the a selected one of the subchannel low-pass filters.

Claim 16 has been amended to recite that the method includes selecting with a subchannel filter selection switch one of a plurality of subchannel low-pass filters based on a selected subchannel of a plurality of subchannels, and providing an analog baseband signal to the selected subchannel low-pass filter during the filter-input sampling interval. Claim 16 has also

been amended to recite that signal information is accumulated from the selected subchannel during a filter-input sampling interval in an associated subchannel low-pass filter, and that the method includes repeating the selecting, the providing, and the accumulating for other subchannels during the filter-input sampling interval.

Applicant finds no teaching or suggestion in Tu of a subchannel filter selection switch that is to select a subchannel low-pass filter of a plurality of subchannel low-pass filters as recited in either claim 1 or claim 16.

Accordingly, the combination of Tu with one or more of the other references does not result in Applicant's claims 1 or 16. Claims 1 and 16 are therefore believed to be in condition for allowance. Claims 3, 4, 6, 8-11, 14-15, 17, 22 and 23 are believed to be allowable at least because of their dependency on either claim 1 or claim 16.

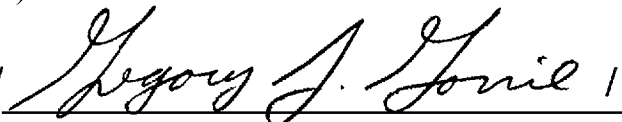
### **CONCLUSION**

Applicant respectfully submits that the claims are in condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's representative at (480) 659-3314 to facilitate prosecution of this application.

If necessary, please charge any additional fees or deficiencies, or credit any overpayments to Deposit Account No. 19-0743.

Respectfully submitted,

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